Question Paper
ANMC Mock Test Class 7 - Fractions (Paper 1)

Exam ID : TEST/2024/01/05133603 Report Generation Date : 3/26/2024 3:01:13 PM

Q1: In a class 3/4th of the students do not know either English or Hindi. But 1/6th of the students know English. How much students know both English and Hindi if students who know Hindi are 1/9th of total students in the class?

A: 1/36

B: 1/18

C: 1/12

D: 1/30

Answer: A

Q2: A fraction is divided by reciprocal of itself. It is then multiplied by the original fraction. What is the fraction if the answer obtained is 2 93/125?

A: 6/5

B: 7/5

C: 8/5

D: 9/5

Answer: B

Q3: If a fraction's denominator is decreased by 60% and numerator is increased by 200%, the fraction becomes 5/7. What is the fraction?

A: 4/25

B: 2/21

C: 3/20

D: 5/24

Answer: B

Q4: If x + 5y = 16 and x = -4y, then y =?

A: -16

B: 8

C: 12

D: 16

Answer: D

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Q5: If one is added to the numerator of the fraction it becomes one. If one is added to the denominator of the fraction it becomes 1/3. The fraction is?

A: 4/5

B: 2/3

C: 1/2

D: 2/7

Answer: C

Q6: Sam travels 330 km on three-fifths of his petrol tank. How far would he travel at the same rate with a full tank of petrol?

A: 550 km

B: 580 km

C: 520 km

D: 560 km

Answer: A

Q7: 1/6 of a number equals (2/5) ÷ (1/20). What is the number?

A: 42

B: 50

C: 48

D: 54

Answer: C

Q8: Divide 3/10 by (1/4 of 9/5)

A: 3/2

B: 2/3

C: 5/6

D: 6/5

Answer: B

Q9: What is the square of product of 31/129 and its reciprocal?

A: 4/9

B: 1/4

C: 1/9

D: 1

Answer: D

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Q10: A group of boys eats 3/5 of mangoes on 1st day. On the 2nd day they eat 1/4 of the remainder. How many mangoes were there initially if still 72 mangoes are left?

A: 245

B: 240

C: 242

D: 248

Answer: B

Q11: If 3x + 5y = 23 and x = 3y, then y =?

A: 14/23

B: 23/14

C: 15/23

D: 23/15

Answer: B

Q12: Multiply the following fractions: 12 5/7 × 10 1/6

A: 5429/42

B: 5423/42

C: 5427/42

D: 5425/42

Answer: A

Q13: A man gave 2/9 of his salary for rent and 1/5 of the remaining for the grocery bills. Find the amount of money still left with the man, if his salary was Rs. 90000.

A: Rs. 56200

B: Rs. 56000

C: Rs. 56500

D: Rs. 56600

Answer: B

Q14: Evaluate the following: 8 1/4 ÷ (27)1/3 – 5 1/4

A: 5/2

B: –3/2

C: –5/2

D: 3/2

Answer: C

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Q15: Find the value of: [1/(4 2/5)] + [1/(2 4/9)] + [1/(22/13)]

A: 29/22

B: 27/22

C: 23/22

D: 25/22

Answer: B

Q16: In a town of 52500 members, 3/5 of the members are male members. Find the number of female members.

A: 21050

B: 21000

C: 21250

D: 21500

Answer: B

Q17: 8 1/3 + 9 1/4 – 6 1/2 =?

A: 131/12

B: 137/12

C: 139/12

D: 133/12

Answer: D

Q18: In a class of 60 students, one day 1/5 of the students were absent. Find the number of present students on that day.

A: 48

B: 52

C: 50

D: 45

Answer: A

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Q19: In a class of 55 students, one day 1/5 of the students were absent. Find the number of present students on that day.

A: 40

B: 42

C: 44

D: 45

Answer: C

Q20: 24 1/3 + 9 1/3 – 13 1/3 – 2/3 = ?

A: 59/3

B: 55/3

C: 56/3

D: 52/3

Answer: A

Q21: 4/9 part of tank is full of water. Another 1500 liters of water is required to completely fill the tank. The capacity of the tank is?

A: 2500 liters

B: 2700 liters

C: 3000 liters

D: 2800 liters

Answer: B

Q22: Find the value of: 2/(10 1/5) – 2/(8 3/6) + 2/(7 2/7)

A: 5/17

B: 4/17

C: 2/17

D: 9/17

Answer: B

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Q23: If a fraction’s denominator is decreased by 40% and numerator is increased by 40%, the fraction becomes 28/15. What is the fraction?

A: 2/5

B: 3/5

C: 4/5

D: 1/5

Answer: C

Q24: A man gave 1/5 of his salary for rent and 2/5 of the remaining for the grocery bills. Find the amount of money still left with the man, if his salary was Rs. 45000.

A: Rs. 21600

B: Rs. 23400

C: Rs. 20200

D: Rs. 24800

Answer: A

Q25: How many 3/2 kg pieces can be cut from a cake of weight 102 kg?

A: 62

B: 64

C: 68

D: 66

Answer: C

Q26: Multiply the following fractions: 28 5/7 × 9 1/3 × 7/67

A: 21

B: 24

C: 25

D: 28

Answer: D

Q27: If 16x + 3y = 50 and 2x = y then x =?

A: 20/11

B: 23/13

C: 25/11

D: 22/13

Answer: C

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Q28: Solve: 56 2/3 × 8 2/5

A: 472

B: 476

C: 470

D: 478

Answer: B

Q29: If 15x – 4y = 26 and 3x = y, then x =?

A: 20/3

B: 26/3

C: 25/3

D: 22/3

Answer: B

Q30: Solve: 12 6/11 × 25 2/3

A: 320

B: 324

C: 322

D: 326

Answer: C